

**APPLICATION-INDEPENDENT SYSTEM AND PROCESS FOR
DYNAMICALLY GENERATING LOW-COMPLEXITY GRAPHICS
EMBEDDED AS WEB CONTENT USING A TAG-DELIMITED SCRIPT**

Abstract

- 5 An application-independent system and process for dynamically
generating low-complexity graphics embedded as Web content using a tag-
delimited script is disclosed. A graphics object class defining a logical canvas
and including a vector of row objects is specified. Each graphics object class
contains a set of cell objects defining display attributes for a uniform rectangular
10 region. A shape is drawn onto the logical canvas by sequentially parsing through
each row object in the vector and through each cell object contained therein to
consistently structure the logical canvas. The logical canvas is converted into a
table encoded in a tag-delimited script by converting in order each row object into
a row within the table, and each cell object into a cell within each row.